ABSTRACT OF THE DISCLOSURE

An OLED display and pixel structure thereof. The pixel structure comprises a first transistor, a storage capacitor, a second transistor and an OLED. The first transistor has a gate terminal coupled to a scan signal and a drain terminal coupled to a data signal. The storage capacitor has two terminals coupled to a source terminal of the first transistor and a reference node, which has a second voltage. The second transistor has a gate terminal coupled to the source terminal of the first transistor and a source terminal coupled to the reference node. The OLED has a cathode coupled to a drain terminal of the second transistor and an anode coupled to a first voltage, higher than the second voltage. The first transistor or the second transistor is an amorphous silicon thin film transistor (a-Si TFT), and a light efficiency of the OLED is no less than 11cd/A.